

ABSTRACT

**METHOD AND APPARATUS FOR SYNCHRONISING FREQUENCY
HOPPING TRANSCEIVERS**

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A slave radio transceiver for use in a frequency hopping radio system synchronises by receiving on a sequence of simultaneous combinations of radio channels until a paging message is received from a master transceiver, and may then revert to single channel frequency hopping operation. The slave's multi-channel receiver is sub-equipped to receive simultaneously on a only sub-set (PF12, PF13) of the channels within its bandwidth, the received channels being selected by independent programming within the bandwidth. The channels received simultaneously may be selected to correspond to different degrees of misalignment between the master and slave.

(Figure 1)